

Appl. No. 09/998,724
Amdt. dated 11/21/06
Reply to Office action of 8/31/06

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (withdrawn). A method for producing a honeycomb body with channels and layers, which comprises repeating the following sequence of steps:

producing a printed layer with a first plastically deformable and subsequently consolidatable mass;

consolidating the printed layer;

defining the channels by walls all being entirely formed by printing; and

providing at least one of a measuring sensor and a heater by at least one of applying a second electrically conductive mass and inserting an electrically conductive body into the honeycomb body.

Claim 2 (withdrawn). A method for producing a honeycomb body with channels and layers, which comprises repeating the following sequence of steps:

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producing a printed layer with a plastically deformable and subsequently consolidatable mass;

consolidating the printed layer;

defining the channels through which a fluid can flow by walls entirely formed by printing; and

providing one of the walls with at least one structure for influencing the fluid.

Claim 3 (withdrawn). The method according to claim 1, which further comprises forming walls defining the channels through which a fluid can flow, and partially interrupting the layer forming one of the walls to produce an orifice in the one wall as a passage for the fluid from one of the channels to another.

Claim 4 (withdrawn). The method according to claim 2, which further comprises partially interrupting the layer forming one of the walls to produce an orifice in the one wall as a passage for the fluid from one of the channels to another.

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Claim 5 (previously presented). A honeycomb body,
comprising:

ceramic walls all being entirely formed of printed layers
forming channels through which a fluid can flow, said
channels lying next to one another; and

at least one of at least one measuring sensor and an
electrically conductive mass integrated into one of said
ceramic walls.

Claim 6 (previously presented). The honeycomb body according
to claim 5, wherein at least one of said measuring sensor and
said electrically conductive mass is surrounded completely by
ceramic.

Claim 7 (original). The honeycomb body according to claim 5,
wherein said measuring sensor is a temperature sensor.

Claims 8-13 (canceled).

Claim 14 (original). The honeycomb body according to claim
5, wherein the honeycomb body is formed completely of
ceramic.

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Claims 15-16 (canceled).

Claim 17 (previously presented). The honeycomb body according to claim 5, wherein said layers are all flat.

Claim 18 (previously presented). The honeycomb body according to claim 5, wherein the fluid can flow through said channels in a flow direction, and all of said layers are perpendicular to said flow direction.

Claim 19 (previously presented). The honeycomb body according to claim 5, wherein the fluid can flow through said channels in a flow direction, and all of said layers are parallel to said flow direction.

Claim 20 (previously presented). The honeycomb body according to claim 5, wherein said layers are a multiplicity of interconnected layers disposed one on top of the other.

Claims 21-25 (canceled).

Claim 26 (previously presented). The honeycomb body according to claim 11, wherein the fluid can flow through said channels in a flow direction, and all of said layers are perpendicular to said flow direction.

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Claims 27-28 (canceled).
